

# Explorer

CS1247 Broadband Signal Analyzer

# COBHAM

Sales Sheet

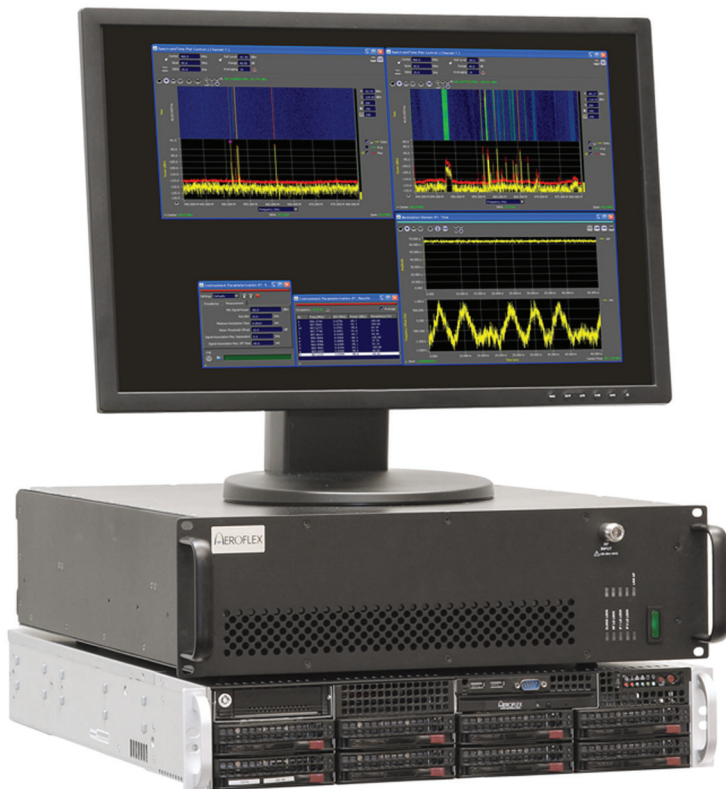
The most important thing we build is trust

Other analyzers tell you what happened.  
The Cobham BSA show you why.

The combined narrowband and wideband recording capability of this Cobham low-cost BSA makes it simple to find, record, and analyze signals.

This system is the latest in the Cobham BSA family that customers have relied on for years. Cobham BSAs have been used to analyze signals from a wide range of applications, including:

- Radar
- Communications
- OTA Testing
- Spectrum monitoring
- Propagation measurement
- Statistical and specific electromagnetic environments (EME) analysis



CS1247-A	2-6000 MHz RF coverage -30 to +25 dBm full scale input power
CS1247-18A	2-18000 MHz RF coverage -10 to +15 dBm full scale input power
Operator selectable 70 MHz (narrow) or 400 MHz (wide) instantaneous bandwidth mode	
Digital tuner (41 kHz - 70 MHz user selectable bandwidths)	
32 GB signal capture RAM	
8 TB removable data storage RAID	
Advanced capture and analysis software	
24" monitor, keyboard, and mouse	
5U rack mount	
Optional generator channel	

Search. Collect. Analyze. Decide.

## Standard Software Features

- Interactive spectrum and spectrogram waterfall plots for analysis
- Modulation Domain analysis displays time, AM, FM, and PM waveforms. Calculates modulation parameters (current/average) and estimates modulation type (CW, AM, FM, pulse other)
- Channel Power measurement uses operator-defined band pass filters feeding virtual power meters
- Fixed band or scanning spectrum analysis
- Strip charts any measured parameter and records to disk
- Measurement markers and Signal Notepad ease interactive measurements and analysis
- Recording sequencer performs multiple recordings directed by operator-specified script
- Pulse analysis for CW, chirp, and PSK signals
- Analysis of continuous and hopped AM, FM, PM, FSK, ASK, PSK and QAM communications signals
- Environmental Signal Parameter (ESP) software performs automatic signal detection and measurement of frequency, power, bandwidth, and on-time statistics.
- Standalone application software supports offline analysis using the full BSA signal analysis suite.

Export Control: This product is controlled for export under the International Traffic in Arms Regulations (ITAR). A license from the U.S. Department of State is required prior to the export of this product from the United States.

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